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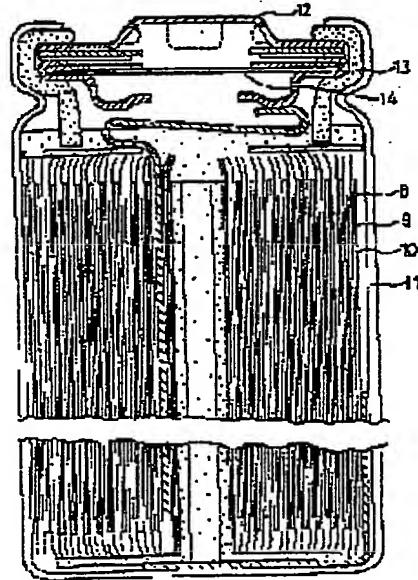
(54) NON-AQUEOUS SECONDARY BATTERY

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(57) Abstract:

PROBLEM TO BE SOLVED: To provide a non-aqueous secondary battery having excellent overcharging safety and restricted in dendrite growth of the lithium metal during charging.

SOLUTION: This non-aqueous secondary battery is formed of a positive electrode sheet 8 including the positive electrode active material, a negative electrode sheet 9 including the negative electrode active material capable of storing and discharging the lithium, the non-aqueous electrolyte including lithium salt and a separator 10. In this case, the positive electrode active material is mainly formed of the metal oxide or the metal sulfide, which includes at least one kind of atom to be selected among vanadium, copper, iron, titanium, molybdenum and chrome and which does not previously and practically include lithium related to charge and discharge, and a metal foil mainly composed of lithium is previously attached to the negative sheet 9.





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(20)【請求の名前】 特許二点請求

(57)【要約】

(1) [請求] 미술적 창작성이 우수하고, 음성전용의 리튬 (lithium) 금속의 수지와 성장이 억제된 비수 2차 전지를 제작한다.

(2) [手段] 경극화물질을 함유한 전극 전지 (seat), 리튬 (lithium)을 음성 방출 가능한 음극재료를 함유한 음극 전지 (seat), 리튬 (lithium) 소금을 포함한 비수 전해질과 보리가 (boronite)로 이루어 구성된 비수 2차 전지에, 양이온 전도율을 높이기 위한 텐나듐 (yttrium), 흉강, 티타늄 (titanium), 투리븀 (thorium), 크롬 (chromium)로부터 선별된 적어도 2개의 원자를 포함하고, 또한, 음성전에 관여한 리튬 (lithium)을 미리 숨겨 놓은 것으로 이루어지게 만든다. 금속 산화물 또는 금속 광물을이고, 또한, 음극 전지 (seat)에 리튬 (lithium)을 주체하고, 금속리튬이 대비 흡수되었던 것을 복원으로 한 비수 2차 전지.